Index of Claims

10/784,139

10//84,139 Examiner

Joshua T. Kennedy

Applicant(s)/Patent under Reexamination

BEIRNE ET AL.

Art Unit

3679 JTK

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| Cla  | aim      | Date     |          |                                |           |   |  |          |                 |          |            | Claim Date |          |          |          |          |          |          |              |              |              |          | Claim |       |            |          | Date      |   |  |                     |          |                 |          |          |
|--|----------|----------|----------|--------------------------------|-----------|---|--|----------|-----------------|----------|------------|------------|----------|----------|----------|----------|----------|----------|--------------|--------------|--------------|----------|-------|-------|------------|----------|-----------|---|--|---------------------|----------|-----------------|----------|----------|
| _  | ਲ        | 5        | 9        | و                              |           |   |  |          |                 |          |            | _          | ā        |          |          |          |          |          |              |              |              |          |       | _     | <u>a</u>   |          |           |   |  | Ì                   |          |                 |          |          |
| Final  | Original | 7/18/05  | 1/17/06  | 8/17/06                        |           |   |  |          |                 |          | 9          | 2          | Original |          |          | - 1      | - 1      | į        |              |              | i            |          | ļ     | Final | Original   |          |           |   |  |                     |          |                 |          |          |
| <u> </u>   | ō        | 11       | 1/1      | 8/                             |           |   |  |          |                 |          | L          | ۱ ا        | ŏ        |          |          | -        |          |          |              |              |              |          |       | ш     | ŏ          |          |           |   |  |                     |          | ĺ               |          |          |
| <b> </b>   | 1        | 7        | 7        | 1                              | $\dashv$  | $\vdash$  | ├  | H        | $\vdash$        | $\dashv$ | $\vdash$   | -          | 51       | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     |              |          |       |       | 101        | $\dashv$ | $\dashv$  |   | ┝  | $\dashv$            | -        | $\dashv$        | $\dashv$ | -        |
| $\vdash$   | -2       | Ť        | Ì        | $\stackrel{\mathbf{\cdot}}{=}$ | $\dashv$  | $\vdash$  | ┢  | H        | $\vdash$        | $\dashv$ | -          | -          | 52       |          | -+       | $\dashv$ |          | $\dashv$ | -+           | $\dashv$     | $\dashv$     | $\dashv$ |       |       | 102        | ᅱ        | $\dashv$  | _ | ├─   | $\dashv$            |          |                 |          | -        |
| <del>                                     </del> | 3        | 7        | 1        | 7                              |           |   | ├  |          |                 | $\dashv$ |            | -          | 53       | -        | -        | +        |          | -        | -            | +            |              |          |       |       | 103        | -1       | $\dashv$  |   | $\vdash$   | $\dashv$            | -        |                 | -        | $\dashv$ |
| $\vdash$   | 4        | Ţ        | 7        | J                              | -         |   | ┢─   | $\vdash$ | -               | -        | -          | +          | 54       | _ t      | 十        | +        | $\dashv$ | $\dashv$ | 十            | 十            | <b>-</b> †   | ┪        |       |       | 104        |          |           |   | $\vdash$   | $\dashv$            | _        | $\dashv$        | $\dashv$ | -        |
|  | 5        | Ī        | 1        | 7                              |           | _   | ┰  |          | $\neg$          |          | -          | _          | 55       | -        | _        | -+       | _        | -        | _            | -+           | $\dashv$     | $\neg$   |       |       | 105        | -        |           |   | $\vdash$   | $\vdash$            | _        |                 | _        |          |
|  | 6        | V        | 7        | V                              |           |   | _  |          | _               |          |            | 1          | 56       | _        | 寸        | 寸        | 寸        | $\neg$   | 寸            | 7            |              | $\neg$   |       |       | 106        |          | $\exists$ |   |  | $\Box$              | 一        | _               | _        |          |
|  | 7        | 1        | 7        | 1                              |           |   | Г  |          |                 |          |            | $\dashv$   | 57       |          | $\dashv$ | T        | ヿ        |          | 寸            | 寸            | 寸            | $\neg$   | 1     |       | 107        | $\neg$   |           |   |  |                     |          | $\neg$          |          |          |
|  | 8        |          | 1        | 7                              |           |   |  |          |                 |          |            | $\neg$     | 58       | T        |          | $\neg$   | T        |          |              |              |              |          |       |       | 108        |          |           |   |  |                     |          |                 |          |          |
|  | 6        | 4        | 4        | j                              |           |   |  |          |                 |          |            |            | 59       |          |          |          |          |          |              |              |              |          |       |       | 109        |          |           |   |  |                     |          |                 |          |          |
|  | 40-      | 4        | 4        |                                |           |   |  |          |                 |          |            |            | 60       |          |          |          |          |          |              |              |              |          |       |       | 110        |          |           |   |  |                     |          |                 |          |          |
|  | 11       | 1        | _        | 1                              |           |   |  |          |                 |          |            |            | 61       |          | $\Box$   | $\Box$   | $\Box$   |          | $\Box$       |              |              |          |       |       | 111        |          |           |   |  |                     | $\Box$   |                 | _]       |          |
| <u></u>  | 12       | 1        | 1        | 1                              | Ш         | $ldsymbol{ld}}}}}}$ |  | Щ        | Ш               | Ш        |            |            | 62       | _        |          | $\perp$  | $\bot$   | _        | $\downarrow$ | $\dashv$     | _            | _        |       |       | 112        | _        |           |   |  | Ш                   |          | _               |          | $\perp$  |
| ļ  | 13       | 1        | 1        | 1                              | $\Box$    | <b> </b>  | <u> </u>   |          | $\sqcup$        | _        | <u> </u> _ | _          | 63       | _        |          | _        | _        |          | 4            | _            | _            | _        |       |       | 113        |          |           |   | L  | $\square$           |          | _               | $\perp$  | _        |
| <u></u>  | 14       | <b>V</b> | <u> </u> | 1                              | $\square$ | <u> </u>  | <u> </u>   | <b>—</b> | $\vdash \vdash$ | $\dashv$ | <u> </u>   |            | 64       | _        | $\dashv$ | $\dashv$ | _        | 4        | $\dashv$     | _            | $\dashv$     | _        |       |       | 114        | 4        |           |   | $\vdash$   | $\vdash \downarrow$ |          | _               | $\dashv$ | $\dashv$ |
| <u></u>  | 15       | 1        | 1        | 1                              |           | $\vdash$  | <u> </u>   | -        | Н               | $\dashv$ | <u> </u>   |            | 65       | _        |          | -        | _        | $\dashv$ | $\dashv$     | -            | $\dashv$     | $\dashv$ | }     |       | 115        | _        |           |   | _  | $\sqcup$            |          | $\dashv$        | $\dashv$ | $\dashv$ |
| -  | 16<br>17 | 7        | 1        | 1                              |           |   | ├  |          |                 | $\dashv$ |            |            | 66<br>67 |          |          |          | _        |          |              | -            |              |          |       |       | 116<br>117 |          |           |   | <del> </del>                                     |                     |          | $\dashv$        | $\dashv$ | $\dashv$ |
| <b> </b>   |          | 7        | 7        | 1                              |           |   | ┝  | <u> </u> | -               | $\dashv$ |            |            |          |          | -        | $\dashv$ | -        | -+       |              |              |              |          | - 1   |       |            |          |           |   |  | $\dashv$            |          | $\dashv$        | +        | $\dashv$ |
|  | 18<br>19 | 7        | 7        | 7                              |           | _   | ├  |          | $\dashv$        | $\dashv$ | -          |            | 68<br>69 | -        | $\dashv$ | $\dashv$ | -        | -        | $\dashv$     | $\dashv$     | +            |          | - }   |       | 118<br>119 |          |           |   |  |                     |          |                 | -        | -        |
| -  | 20       | 7        | 7        | 7                              |           |   |  |          | Н               | $\dashv$ | -          |            | 70       | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$     | +            | -            | -        | - 1   |       | 120        | _        | $\vdash$  |   |  | $\vdash$            | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
|  | 21       | <u> </u> |          | <u> </u>                       |           | <del> </del>  | -  | -        |                 | $\dashv$ |            |            | 71       | -        |          | +        | -+       | +        |              |              | <u></u>      |          | ŀ     |       | 121        |          |           |   |  |                     | $\dashv$ | -               | -        | $\dashv$ |
|  | 22       | _        |          | $\dashv$                       | $\dashv$  | $\vdash$  | ├  | -        | $\dashv$        | $\dashv$ | -          | +          | 72       |          |          | $\dashv$ |          |          |              | +            | -            | $\dashv$ |       |       | 122        | $\dashv$ | $\dashv$  | _ |  | $\vdash$            | $\dashv$ | $\dashv$        | -        | $\dashv$ |
|  | 23       |          |          |                                |           | -   | <del>                                     </del> |          | $\dashv$        | $\dashv$ | $\vdash$   | $\dashv$   | 73       | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$ |       |       | 123        | $\equiv$ | $\dashv$  |   |  |                     | $\dashv$ | -               | _        | $\dashv$ |
|  | 24       |          |          |                                |           |   |  |          | -               | $\dashv$ | -          |            | 74       | _        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ |              | _            | 一            | $\dashv$ |       |       | 124        |          |           |   |  |                     | $\neg$   | $\dashv$        |          | ᅱ        |
|  | 25       |          |          | _                              |           |   |  |          | $\neg$          | $\dashv$ | -          |            | 75       |          | 寸        |          | 7        | $\dashv$ | 寸            | T            | $\dashv$     | ┪        |       |       | 125        |          | $\dashv$  |   |  |                     | 一        | 寸               | _        | ヿ        |
|  | 26       |          |          |                                |           |   | T  |          | İ               |          |            |            | 76       |          | T        | $\neg$   | T        |          | T            | T            | 寸            | $\neg$   |       |       | 126        |          | $\neg$    |   |  |                     |          | $\neg$          | $\dashv$ | $\neg$   |
|  | 27       |          |          |                                |           |   | Г  |          |                 | П        |            |            | 77       |          | 寸        | $\neg$   | $\neg$   | $\neg$   |              | ヿ            |              |          |       |       | 127        |          |           |   |  |                     |          |                 | Ì        | $\neg$   |
|  | 28       |          |          |                                |           |   |  |          |                 |          |            |            | 78       |          |          |          |          | 7        |              |              |              |          |       |       | 128        |          |           |   |  |                     |          |                 |          |          |
|  | 29       |          |          |                                |           |   |  |          |                 |          |            |            | 79       |          |          |          |          |          |              |              |              |          |       |       | 129        |          |           |   |  |                     |          |                 |          |          |
|  | 30       |          |          |                                |           |   | L  |          |                 |          |            |            | 80       |          |          |          |          |          |              |              |              |          |       |       | 130        |          |           |   |  |                     |          |                 |          |          |
|  | 31       |          |          |                                |           | $\Box$  | L  |          | Ш               |          |            | _          | 81       |          | [        | _        | _[       | [        | _[           | [            | [            | _        |       |       | 131        |          |           |   | L  | Ш                   | ]        |                 |          | _        |
|  | 32       | Щ        |          | Щ                              | Ш         | $\vdash$  | _  | Ш        | Ш               | _        | $\perp$    | _          | 82       | _        | _        | 4        | _        | $\dashv$ | _            | $\downarrow$ | $\downarrow$ | _        |       |       | 132        |          | $\sqcup$  |   | <u> </u>   | Ш                   | _        | _               | $\dashv$ | $\dashv$ |
|  | 33       |          | _        |                                | $\square$ | <u> </u>  | <u> </u>   | $\sqcup$ | Щ               | _        | $\vdash$   | $\dashv$   | 83       | 4        | $\dashv$ | 4        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     | $\dashv$     | _        |       |       | 133        |          | <b></b>   |   | <u> </u>   | Щ                   | _        | _               | 4        | $\dashv$ |
| <u> </u>   | 34       | H        |          |                                | $\vdash$  | $\vdash$  | ₩  | Н        | $\vdash$        | $\dashv$ | $\vdash$   | $\dashv$   | 84       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |              | -+           |              |          |       |       | 134<br>135 |          |           |   | ├  |                     |          |                 |          | $\dashv$ |
|  | 35<br>36 |          | -        | $\vdash$                       | $\vdash$  | $\vdash$  | $\vdash$   | Н        | $\vdash$        | $\dashv$ | $\vdash$   | +          | 85<br>86 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +            | $\dashv$     | -            | $\dashv$ |       |       | 136        |          |           |   | ├-   | $\vdash$            | -        |                 | -        | $\dashv$ |
| <u> </u>   | 37       | H        |          | $\vdash$                       | $\vdash$  | $\vdash$  | ⊢  | Н        | H               | $\dashv$ | $\vdash$   | +          | 87       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +            | $\dashv$     | $\dashv$     | $\dashv$ |       |       | 137        |          |           | _ | -  | $\vdash$            | $\dashv$ |                 |          |          |
| -  | 38       |          |          | $\dashv$                       | -         |   | <del> </del>                                     | -        |                 | $\dashv$ | -          | $\dashv$   | 88       |          | -        |          | -+       |          | -            |              | -            | $\dashv$ |       |       | 138        |          | $\vdash$  |   | $\vdash$   | $\vdash$            |          | $\dashv$        | $\dashv$ | $\dashv$ |
| -  | 39       | H        | -        | $\dashv$                       | $\dashv$  | $\vdash$  | $\vdash$   | $\vdash$ | $\dashv$        | $\dashv$ | $\vdash$   | $\dashv$   | 89       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -            | -+           | -            | $\dashv$ |       |       | 139        |          |           |   | <del> </del>                                     |                     |          |                 | $\dashv$ | $\dashv$ |
| _  | 40       | $\vdash$ | -        | $\dashv$                       |           | $\vdash$  | $\vdash$   | Н        | $\vdash$        | $\dashv$ | $\vdash$   | $\dashv$   | 90       | 十        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$ |       |       | 140        | $\dashv$ | $\vdash$  | _ | -  | $\vdash$            | -        | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u>   | 41       | Н        | $\dashv$ | $\dashv$                       | $\vdash$  | $\vdash$  | ┰  | $\vdash$ |                 |          | -          |            | 91       | $\dashv$ | $\dashv$ |          | -        |          | $\dashv$     | $\dashv$     | -+           | $\dashv$ | . 1   |       | 141        | $\dashv$ |           | _ | <del>                                     </del> |                     |          | $\dashv$        | -        | $\dashv$ |
|  | 42       |          |          | $\dashv$                       | $\vdash$  |   | Т  | П        | $\sqcap$        | _        |            | -          | 92       | $\neg$   | $\dashv$ | $\dashv$ | 1        | $\dashv$ | $\dashv$     | 寸            | $\dashv$     |          | 1     |       | 142        |          | $\dashv$  |   | $\vdash$   | М                   | -        | _               | 一        | $\dashv$ |
|  | 43       |          |          |                                |           |   | $\vdash$   | П        | $\exists$       |          |            | $\dashv$   | 93       | $\neg$   | 寸        | $\dashv$ | 7        | 寸        | $\neg$       |              | 寸            | $\dashv$ |       |       | 143        |          | $\Box$    |   | П  |                     | $\neg$   | $\neg \uparrow$ | †        | $\neg$   |
|  | 44       |          |          |                                |           |   |  |          |                 | $\neg$   |            | $\neg$     | 94       |          | 7        | 7        | 7        | _        |              | 7            |              | $\neg$   |       |       | 144        |          |           |   |  |                     |          |                 |          | $\neg$   |
|  | 45       |          |          |                                |           |   |  |          |                 |          |            |            | 95       |          |          |          | _†       |          |              |              |              |          |       |       | 145        |          |           | _ |  |                     |          |                 |          | $\Box$   |
|  | 46       |          |          |                                |           |   |  |          |                 |          |            |            | 96       |          |          |          | ╛        |          |              |              |              |          |       |       | 146        |          |           |   |  |                     |          |                 |          |          |
|  | 47       |          |          |                                |           |   |  |          |                 |          |            |            | 97       |          |          |          |          |          |              |              | $\Box$       |          |       |       | 147        |          |           |   |  |                     |          |                 |          |          |
|  | 48       |          |          |                                |           |   |  |          |                 |          |            | $\Box$     | 98       |          | $\Box$   | $\Box$   |          | $\Box$   |              |              |              |          |       |       | 148        |          |           |   |  |                     |          |                 | $\Box$   | $\Box$   |
|  | 49       |          |          |                                |           | <u> </u>  |  |          |                 |          |            | $\perp$    | 99       | [        | _[       |          |          | [        | $\Box$       | [            | $\Box$       |          | -     |       | 149        |          |           |   |  |                     | ]        | _               | _[       |          |
|  | 50       |          |          |                                |           |   |  |          |                 |          |            |            | 100      |          | - 1      |          |          |          | - 1          |              |              | Ì        |       |       | 150        |          |           |   | 1  |                     | 1        |                 |          |          |